

10/16/2018

Denali Water
Cindy Duenes
2001 Key Street
Colton, CA, 92324

Ref: Analytical Testing
Report Number: 18-278-0203
Project Description: Fallbrook

Dear Cindy Duenes:

Waypoint Analytical Virginia, Inc. received sample(s) on 10/5/2018 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Sub-contracted testing is noted on the Sample Summary Table if applicable.

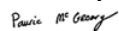
The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2012) and NELAC unless otherwise indicated.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Pauric McGroary
Agronomist

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

Arizona AZ0629
Florida E871087

New Jersey
North Carolina

VA011
257

Pennsylvania
South Carolina

68-03109
93007

Virginia 460014



Sample Summary Table

Report Number: 18-278-0203

Client Project Description: Fallbrook

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
63013	Fallbrook	Solids	10/01/2018 12:00	10/05/2018		
63013	Fallbrook	Solids	10/01/2018 12:00	10/05/2018	SM-4500-NH3C	WTN
63013	Fallbrook	Solids	10/01/2018 12:00	10/05/2018	9045D	WTN
63013	Fallbrook	Solids	10/01/2018 12:00	10/05/2018	4500NO3F-2011	WTN
63013	Fallbrook	Solids	10/01/2018 12:00	10/05/2018	6010D	WTN
63013	Fallbrook	Solids	10/01/2018 12:00	10/05/2018	SW-7471B	WTN
63013	Fallbrook	Solids	10/01/2018 12:00	10/05/2018	SM-4500-NH3C-TKN	WTN
63013	Fallbrook	Solids	10/01/2018 12:00	10/05/2018	SM-2540G	WTN

WTN: Waypoint Analytical - TN, Memphis, TN, Certification: #1354

Report Number: 18-278-0203

Account Number: 11035



7621 Whitepine Road, Richmond, VA 23237
Main 804-743-9401 ° Fax 804-271-6446
www.waypointanalytical.com

Send To: Denali Water
Cindy Duenes
2001 Key Street
Colton , CA 92324

Project : Fallbrook

Lab Number : 63013
Sample Id : Fallbrook

REPORT OF ANALYSIS

Date Sampled: 10/1/2018 12:00:00
Date Received: 10/05/2018 00:00
Date Reported: 10/16/2018

PARAMETER	RESULT (%)	RESULT (mg/kg)	QUANTITATION LIMIT (mg/kg*)	ANALYST	ANALYSIS DATE/TIME	METHOD
Total Solids *	19.00	190000	100.0	CJR	10/10/2018 16:40	SM-2540G
Moisture *	81.00		100.0	CJR	10/10/2018 16:40	SM-2540G
Total Kjeldahl Nitrogen	5.11	51100	250	CLP	10/10/2018 09:30	SM-4500-NH3C-TKN
Phosphorus	1.69	16900	50.0	JTR	10/11/2018 20:05	6010D
Potassium	0.28	2830	50.0	JTR	10/11/2018 05:28	6010D
Sulfur	0.98	9780	50.0	JTR	10/11/2018 05:28	6010D
Calcium	2.43	24300	100	JTR	10/11/2018 05:28	6010D
Magnesium	0.31	3050	50.0	JTR	10/11/2018 20:05	6010D
Sodium	0.13	1280	250	JTR	10/11/2018 05:28	6010D
Iron		6160	50.0	JTR	10/11/2018 05:28	6010D
Aluminum		4040	50.0	JTR	10/11/2018 05:28	6010D
Manganese		520	5.00	JTR	10/11/2018 05:28	6010D
Copper		1070	2.50	JTR	10/11/2018 20:05	6010D
Zinc		1010	5.00	JTR	10/11/2018 20:05	6010D
Ammonia Nitrogen	0.12	1160	50.0	CLP	10/10/2018 18:00	SM-4500-NH3C
Organic N	4.99	49940	250		10/10/2018 09:30	CALCULATION
Nitrate+Nitrite-N		1730	5.00	JRF	10/12/2018 15:40	4500NO3F-2011

All values are on a dry weight basis except as noted by asterisk. Detection limit on all N series is on a wet basis.

B - Analyte detected in blank H - Beyond Holding Time

A handwritten signature in black ink that reads "Paucic McGroary".

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Paucic McGroary
Agronomist

Report Number: 18-278-0203

Account Number: 11035



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Send To: Denali Water
Cindy Duenes
2001 Key Street
Colton , CA 92324

Project : Fallbrook

Lab Number : 63013
Sample Id : Fallbrook

REPORT OF ANALYSIS

Date Sampled: 10/1/2018 12:00:00

Date Received: 10/05/2018 00:00

Date Reported: 10/16/2018

PARAMETER	RESULT (%)	RESULT (mg/kg)	QUANTITATION LIMIT (mg/kg*)	ANALYST	ANALYSIS DATE/TIME	METHOD
Cadmium		1.20	1.00	JTR	10/11/2018 20:05	6010D
Chromium		22.2	2.50	JTR	10/11/2018 05:28	6010D
Nickel		21.2	2.50	JTR	10/11/2018 20:05	6010D
Lead		10.1	3.00	JTR	10/11/2018 05:28	6010D
Arsenic		<5.00	5.00	JTR	10/11/2018 20:05	6010D
Mercury		0.947	0.0151	KKM	10/10/2018 12:15	SW-7471B
Selenium		6.98	5.00	JTR	10/11/2018 20:05	6010D
pH *	5.3			JSL	10/11/2018 07:36	9045D
Molybdenum		15.2	2.50	JTR	10/11/2018 05:28	6010D

Comments:

All values are on a dry weight basis except as noted by asterisk. Detection limit on all N series is on a wet basis.

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Paucic McGroary
Agronomist

Cooler Receipt Form

Customer Number: **11035**
Customer Name: **Denali Water**
Report Number: **18-278-0203**

Shipping Method

☒ Fed Ex ☐ US Postal ☐ Lab ☐ Other :
☐ UPS ☐ Client ☐ Courier Thermometer ID:

Shipping container/cooler uncompromised?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Number of coolers received	<input type="text" value="1"/>		
Custody seals intact on shipping container/cooler?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Custody seals intact on sample bottles?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Chain of Custody (COC) present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC properly completed	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples in proper containers?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample containers intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient sample volume for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All samples received within holding time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler temperature in compliance?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Water - Sample containers properly preserved	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Water - VOA vials free of headspace	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Trip Blanks received with VOAs	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Soil VOA method 5035 – compliance criteria met	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
<input type="checkbox"/> High concentration container (48 hr)	<input type="checkbox"/> Low concentration EnCore samplers (48 hr)		
<input type="checkbox"/> High concentration pre-weighed (methanol -14 d)	<input type="checkbox"/> Low conc pre-weighed vials (Sod Bis -14 d)		
Special precautions or instructions included?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

Comments:

Signature:

Date & Time:



SAMPLE TR

7621 Whitepine Road I

Denali Water
Fallbrook18-278-0203
11035
10-05-2018
13:07:25

STODY

Account #

11035

office@al-labs-eastern.com

Submitted By	Denali Water Solutions	Copy To
3031 Franklin Ave STE A	3031 Franklin Ave STE A	chrisamarks@comcast.net
Riverside, CA 92507	Riverside, CA 92507	irsaint@gmail.com

Sample Information																		
Sample ID	Lab Number (Lab Use Only)	Collection Information			Container Information		Please Check Desired Tests											
		Type	Date	Time	Number of Bottles	Type	Volume	SL1	SL2	503 Metals	Nitrogen Series	pH	CCE	Ag	Cl	Volatile Solids	Test Package	
Fallbrook	1035	X_Grab Composite	10/1/2018	1200	1	Glass X_Plastic	oz X qt											SLSOSO & f
		X_Grab Composite				Glass X_Plastic	oz X qt											SLSOSO & f
		X_Grab Composite			1	Glass X_Plastic	oz X qt											SLSOSO & f
		X_Grab Composite			1	Glass X_Plastic	oz X qt											SLSOSO & f

Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Date	Time
Joel Santos (signature)	7/19/2018	1700			

Test Package Details		Special Instructions or Remarks
SL1: Total Solids (Moisture) Total Kjeldahl Nitrogen, Phosphorus and Potassium SL2: Basic Test SL1 plus Sulfur, Calcium, Magnesium, Sodium, Iron, Aluminum, Manganese, Copper And Zinc 503 Metals: Arsenic, Cadmium, Chromium, Mercury, Molybdenum, Lead, Nickel, Selenium. (Copper & Zinc included in SL2) Nitrogen Series: Total Kjeldahl, Ammonium, Nitrate & Organic Nitrogen. CCE: Calcium Carbonate Equivalent or Total neutralization Value (For Lime Treated Sludge)		